TITLE of the INVENTION

"Device and method for transforming a digital signal"

TEXT of the ABSTRACT

The invention concerns the transformation of a digital signal in at least two different frequency bands according to at least two different resolutions. The method includes:

- dividing (E1, E18) the signal into first blocks (B$_i$) all having a same predetermined first number of samples,

- transforming (E4) each of the first blocks into a plurality of second blocks,

any second block under consideration having a second respective number of samples which depends on the resolution of the second block under consideration, and containing samples selected according to their frequency,

- grouping (E10) second blocks issuing from the transformation of different first blocks in order to form third blocks all having a same predetermined third number of samples which is at least equal to the largest of the second numbers.

(Figure 12)